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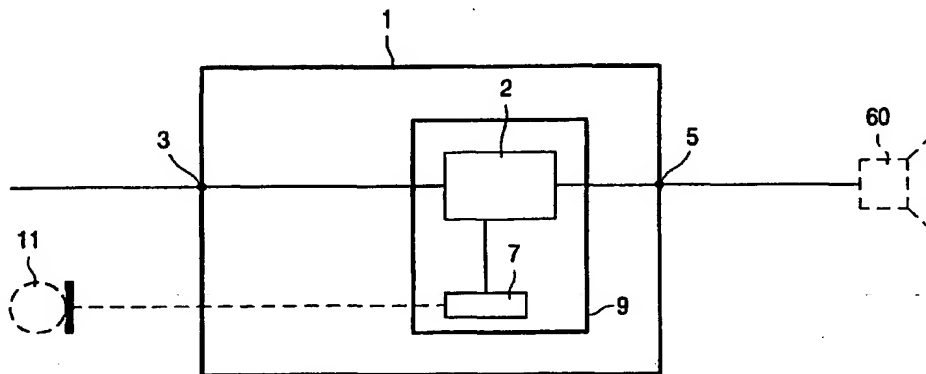
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(54) Title: AUDIO SIGNAL PROCESSING APPARATUS



(57) Abstract: An audio signal processing apparatus (1) comprises an audio input (3) for an entered audio signal, an audio output (5) for outputting an outgoing audio signal, and a processor (9) for performing a transformation (2) to improve the intelligibility of speech present in the entered audio signal. The transformation (2) transforms the entered audio signal into the outgoing audio signal, by modeling at least one aspect of the Lombard effect, based upon a noise level value (7). The Lombard effect is a specific way in which people change their speech, when speaking in noisy environments. The audio signal processing apparatus can be applied in a television receiver and a radio program receiver.

## INTERNATIONAL SEARCH REPORT

Internat application No

PCT/EP 02/02299

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G10L21/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G10L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 5 479 564 A (VOGTEN ET AL) 26 December 1995 (1995-12-26) cited in the application abstract	6,7
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Information on patent family members

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